

HENRY CASTILLO

Software Engineer

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https://henrycastillo.dev/

New York City, NY

SUMMARY

Motivated software engineer with a Master's in Human-Computer Interaction. I know how to make software and design interface that are easy for people to use. While I'm new to the field, I'm excited to use my skills to make technology better for everyone.

EDUCATION

Master of Science in Human Computer Interaction

PRATT INSTITUTE

12/2023 New York

- Relevant Coursework: Web Development, Database Design, Machine Learning, Algorithms, Product Design, Usability Testing.

GPA
3.8 / 4.0

Bachelor of Engineering

BOSQUE UNIVERSITY

08/2015 Bogota

EXPERIENCE

UX Designer Consultant

CENTER FOR DIGITAL EXPERIENCES

09/2022 - 12/2023 New York

- Communicated with product managers and UX designers to translate project requirements and business objectives into polished user interfaces, contributing to a 50% increase in user satisfaction.
- Used wireframes, mock-ups and prototypes to establish user interface design and architecture, resulting in a 20% increase in user engagement and 15% reduction in navigation time.
- Converted abstract ideas and requirements into user personas and storyboards.
- Conducted live user testing of components and functionality to evaluate effectiveness of designs and enhancements.

PROJECTS

Food Pantry Website

01/2023 - 05/2023 New York

https://github.com/henrycastillome/food-pantry-ecommerce

Designed and developed a user-friendly website for a New York City public school, leveraging React for the frontend, PHP and SQL for the backend.

- Made ordering easier at NYC public school, cutting mistakes by 40%, making students' parents happy with their orders, and improving efficiency for the school staff.
- Simplified pre-orders for the food pantry. This improved the pantry experience for everyone involved.
- Currently, working on migration from PHP to Node JS and from JavaScript to TypeScript.

Net Winner Machine Learning

08/2023 - 12/2023 Location

https://github.com/henrycastillome/NetWinnerML

NetWinner is a machine learning model designed to predict tennis match outcomes.

- Used logistic regression model to analyze and predict tennis match. This model learns the relationship between input features and estimates the probability of a player winning.
- Applied neural network model to capture complex patterns within the input data, aiming to improve predictive capabilities.

SKILLS

Programming Languages

JavaScript

TypeScript

HTML

CSS

Python

SQL

Libraries & Frameworks

React

Django

Express js

Chakra UI

Bootstrap

Tailwind CSS

Tools & Platforms

Git

Github

Docker

Kubernetes

IBM cloud

Netlify

Figma

SOFT SKILLS

Problem-Solving

Time Management

Team Collaboration

Adaptability

CERTIFICATION

Front End Developer

Meta, Coursera, 2023

Full Stack Developer

IBM, Coursera, 2023

INTERESTS

 Soccer

 Tennis

 Dogs

 Web accessibility